

Fig 1
A-0

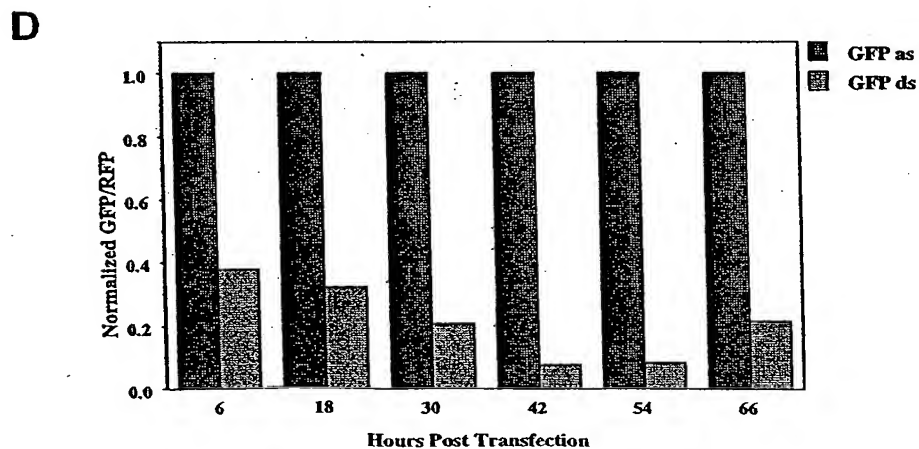
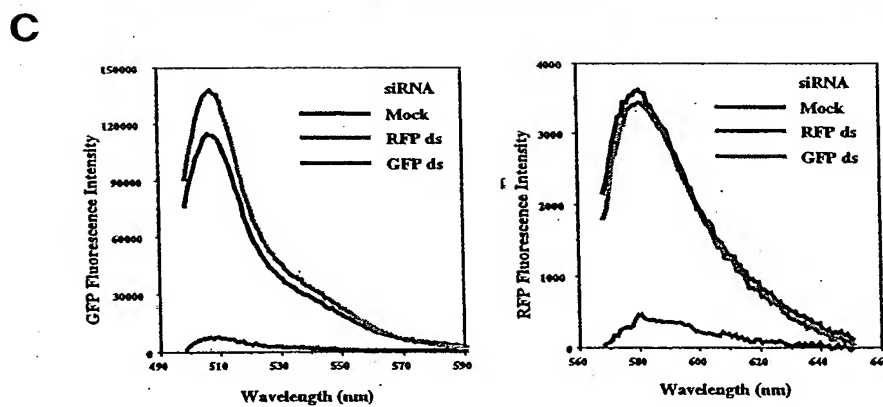
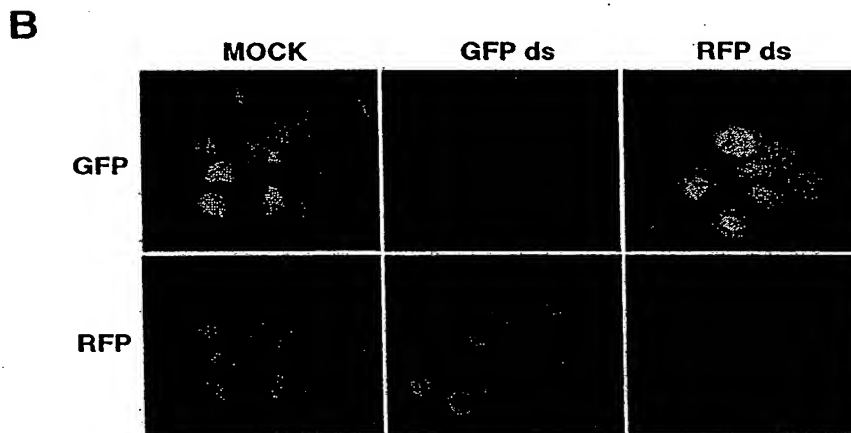
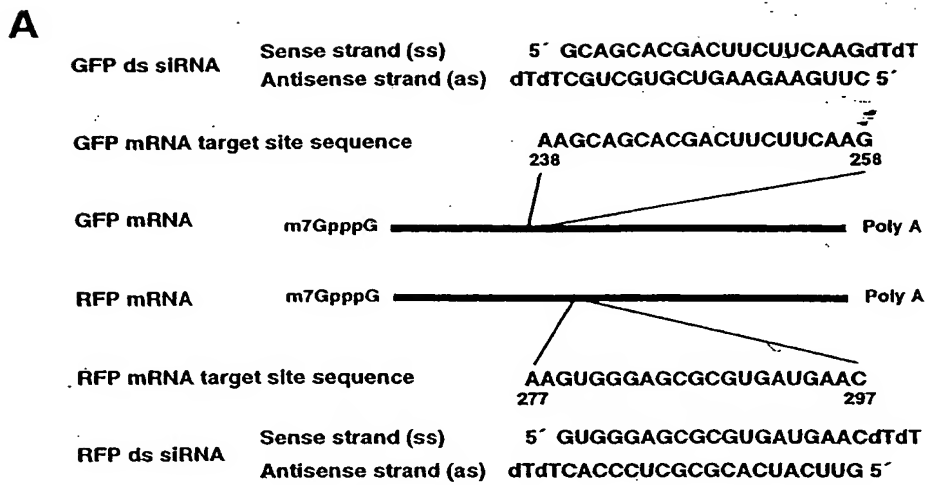
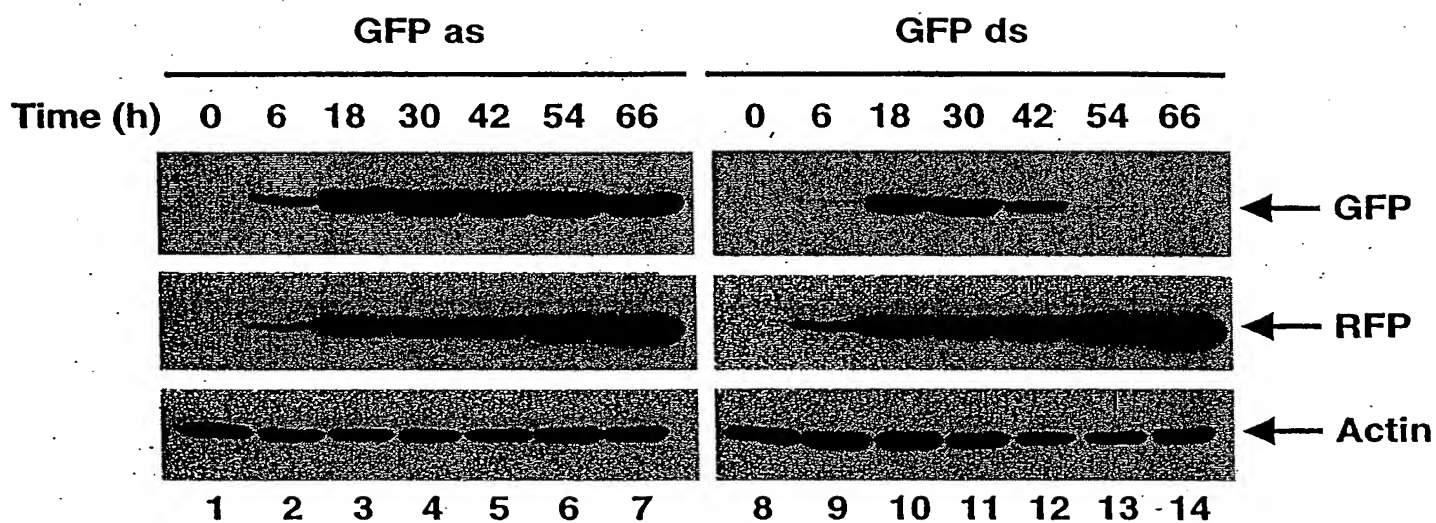


Figure 1 E - F

E



F

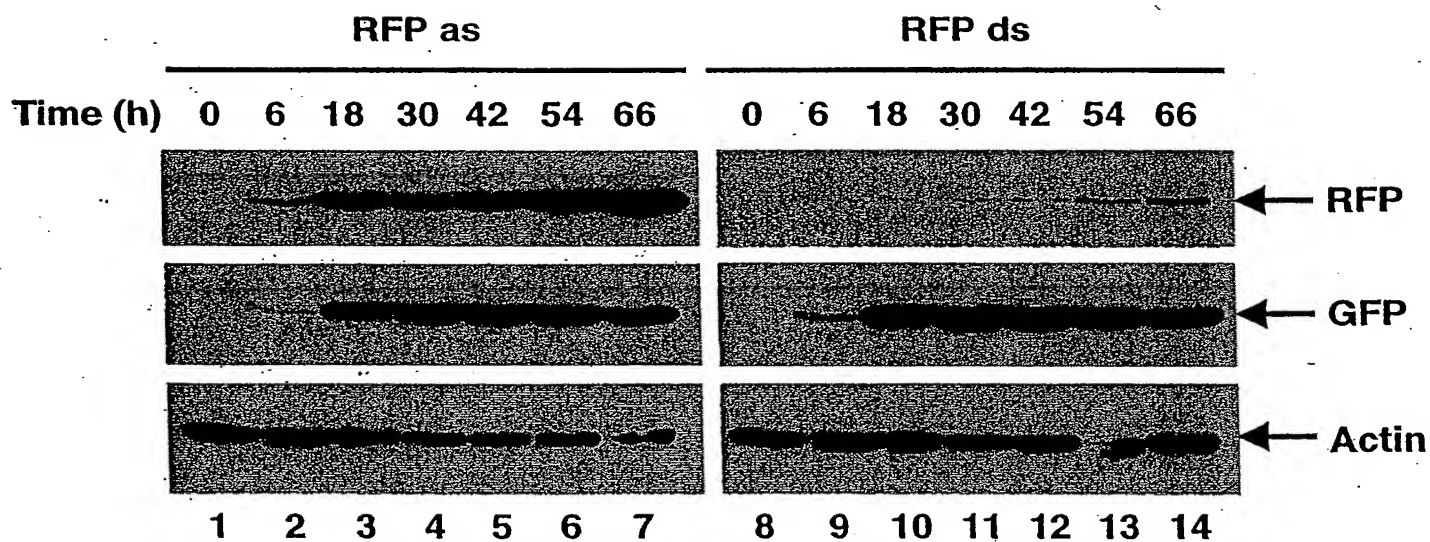


Figure 1G

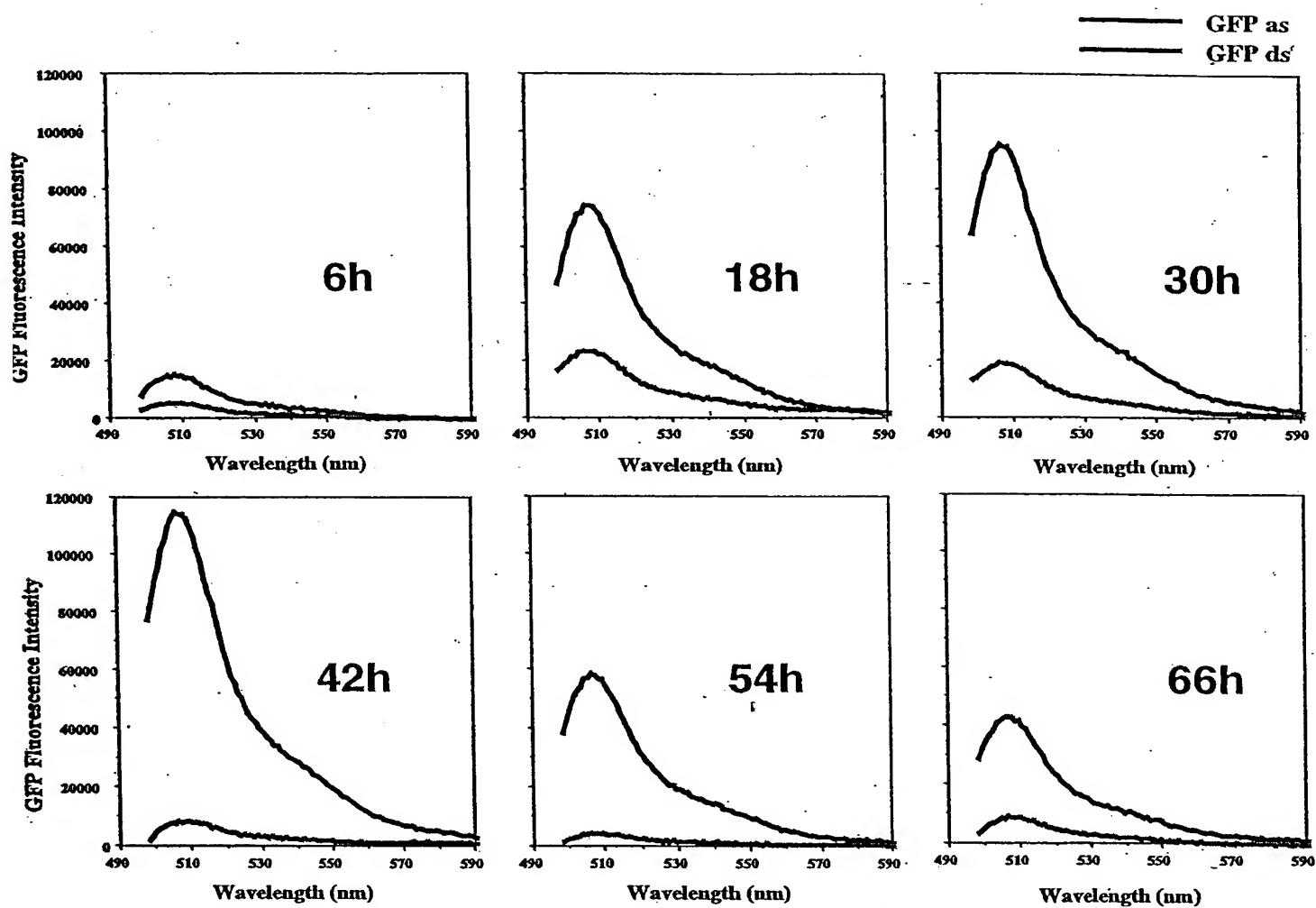
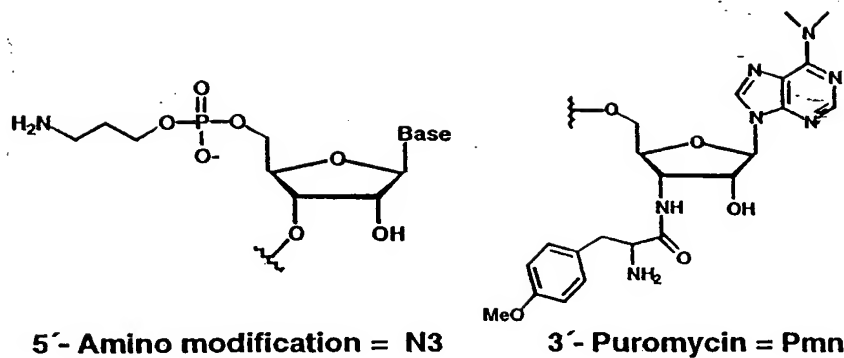


Fig 2

A



B

GFP siRNA

| | ds (WT) | |
|------------------------|---|---|
| | GCAGCACGACUUCUUAAGdTdT dTdTCGUCGUGCUGAAGAAGUUC | |
| 5' Modified siRNA | 5'-N3ss/as | N3 - GCAGCACGACUUCUUAAGdTdT dTdTCGUCGUGCUGAAGAAGUUC |
| | ss/5'-N3as | GCAGCACGACUUCUUAAGdTdT dTdTCGUCGUGCUGAAGAAGUUC - N3 |
| | 5'-N3ss/5'-N3as | N3 - GCAGCACGACUUCUUAAGdTdT dTdTCGUCGUGCUGAAGAAGUUC - N3 |
| 3' Modified siRNA | ss3'-Pmn/as | GCAGCACGACUUCUUAAGdTdT - Pmn dTdTCGUCGUGCUGAAGAAGUUC |
| | ss/as3'-Pmn | GCAGCACGACUUCUUAAGdTdT Pmn - dTdTCGUCGUGCUGAAGAAGUUC |
| | ss3'-Pmn/as3'-Pmn | GCAGCACGACUUCUUAAGdTdT - Pmn Pmn - dTdTCGUCGUGCUGAAGAAGUUC |
| | ss/as3'-Biotin | GCAGCACGACUUCUUAAGdTdT Biotin - dTdTCGUCGUGCUGAAGAAGUUC |
| Bulge-containing siRNA | ss-bulge/as | UG GCAGCACGA CUUCUUAAGdTdT dTdTCGUCGUGCU GAAGAAGUUC |
| | ss/as-bulge | GCAGCACGA CUUCUUAAGdTdT dTdTCGUCGUGCU GAAGAAGUUC CA |
| | ss-bulge/as-bulge | UG GCAGCACGA CUUCUUAAGdTdT dTdTCGUCGUGCU GAAGAAGUUC CA |

App No.: Not Yet Assigned
 Inventor: Tariq M. Rana, et al.
 Title: IN VIVO GENE SILENCING BY CHEMICALLY MODIFIED
 AND STABLE siRNA

Docket No.: UMY-062

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Fig 3

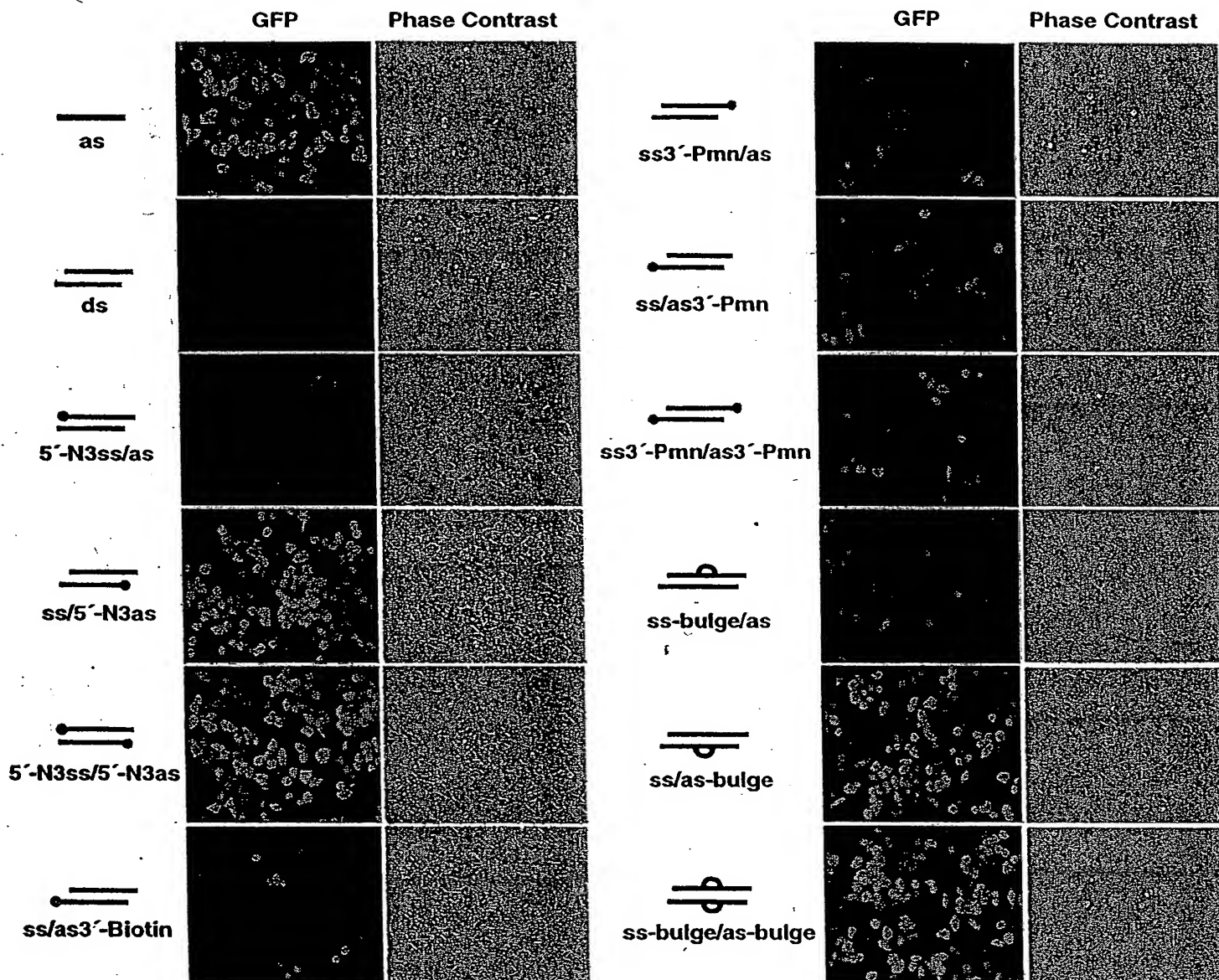
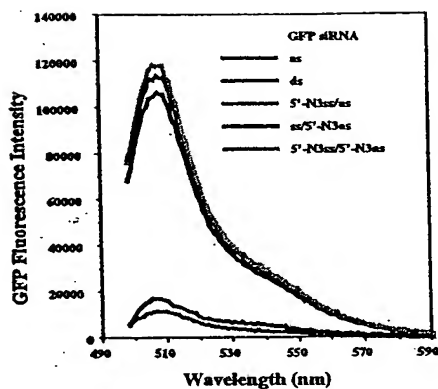


Fig 4

A



B

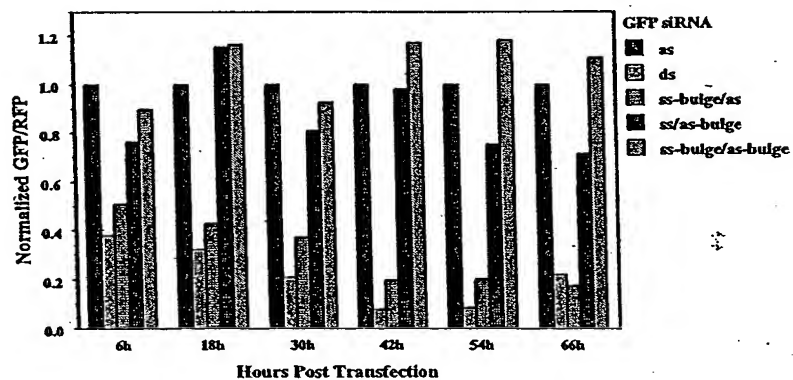
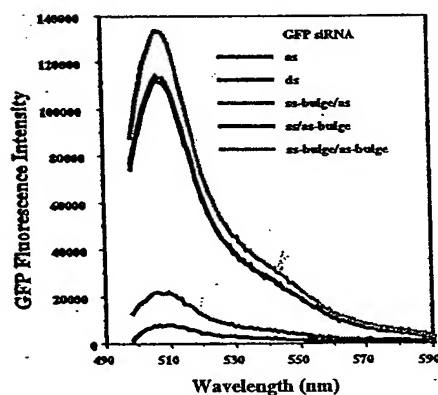
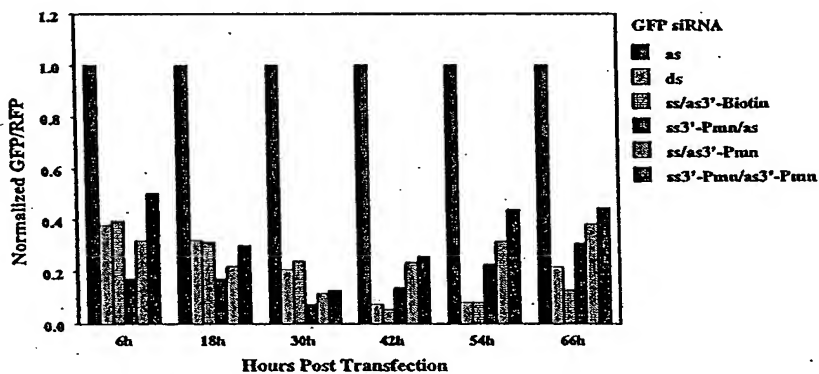
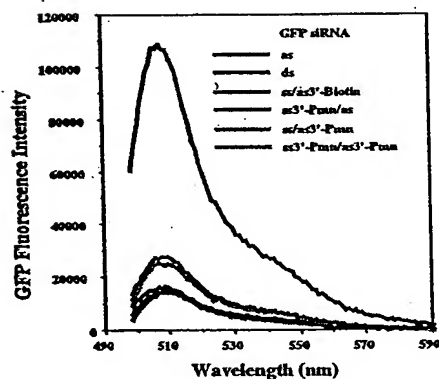
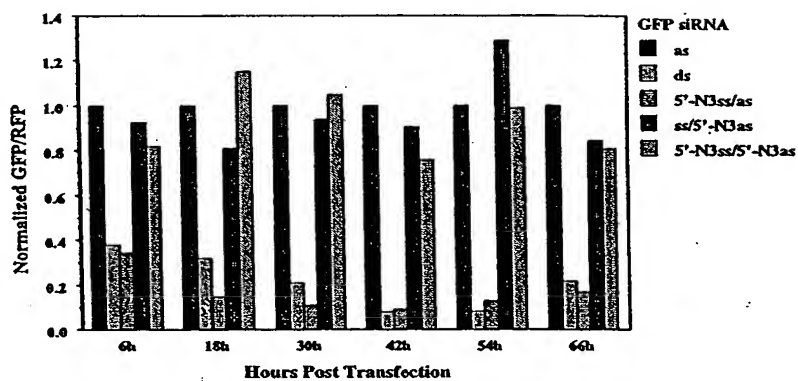


Fig 5

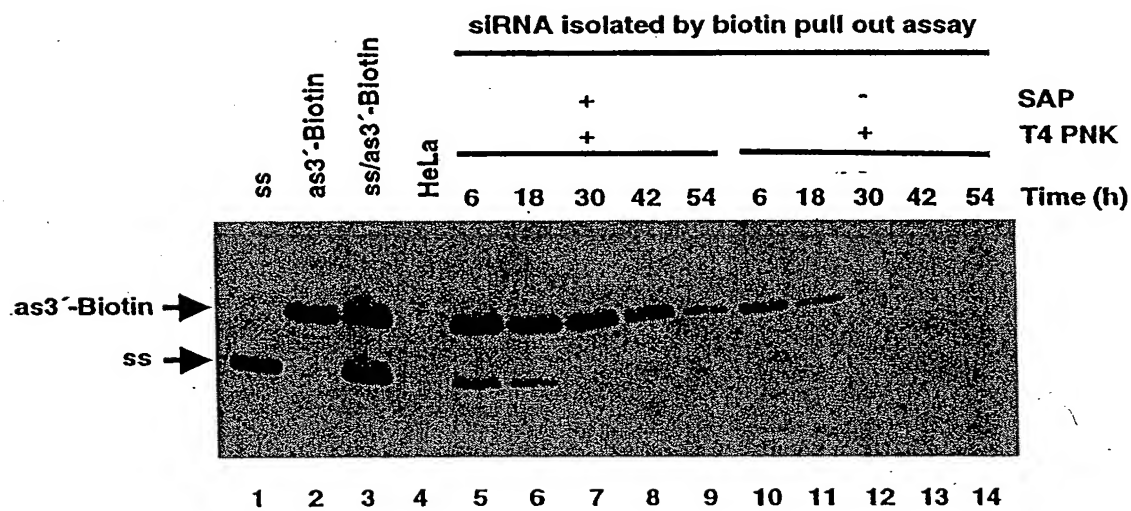
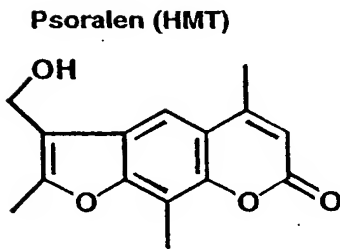


Fig 6

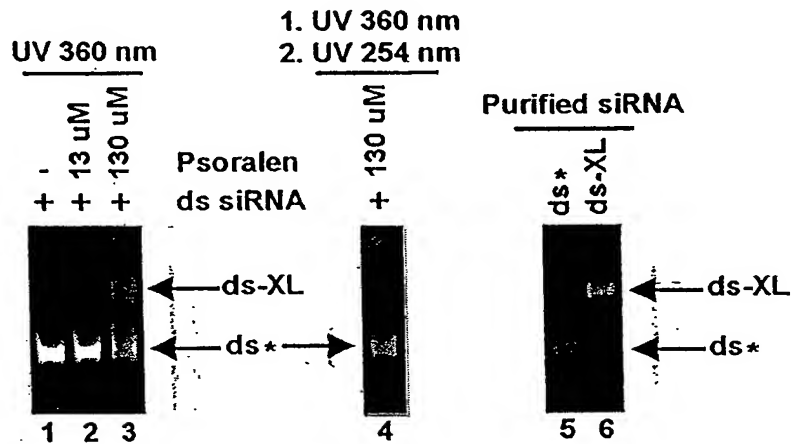
A



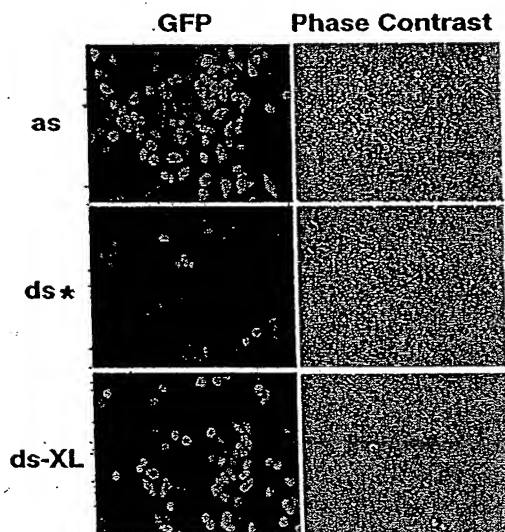
B



C



D



E

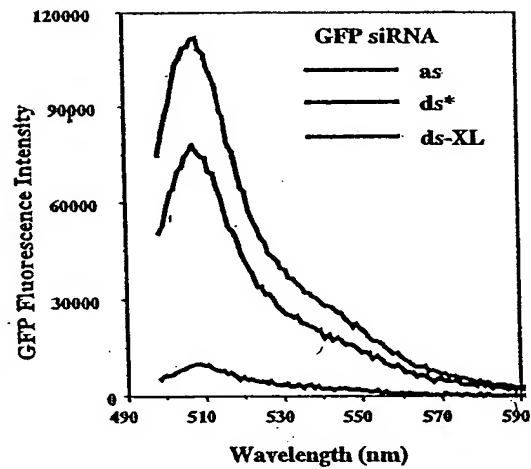


Fig 7

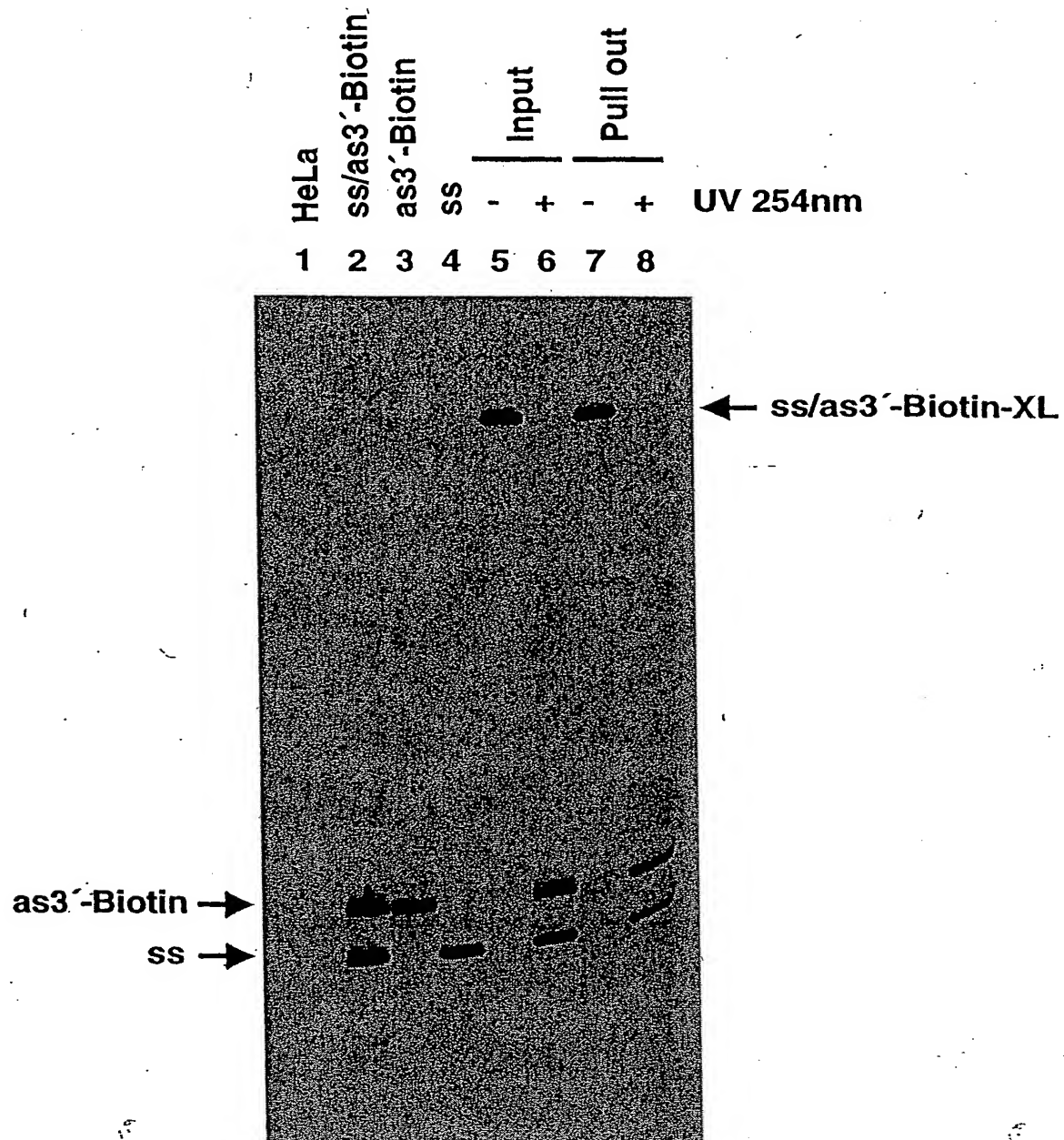
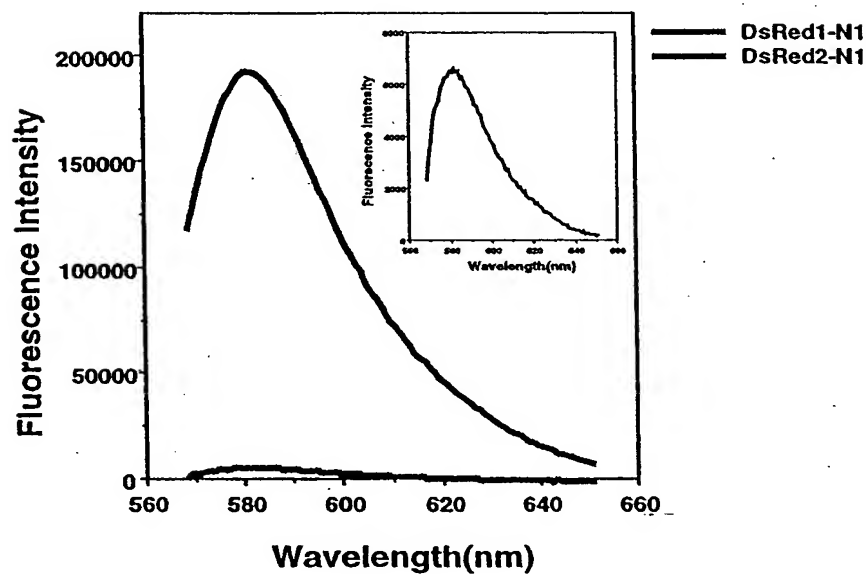


Fig 8

(A)



(B)

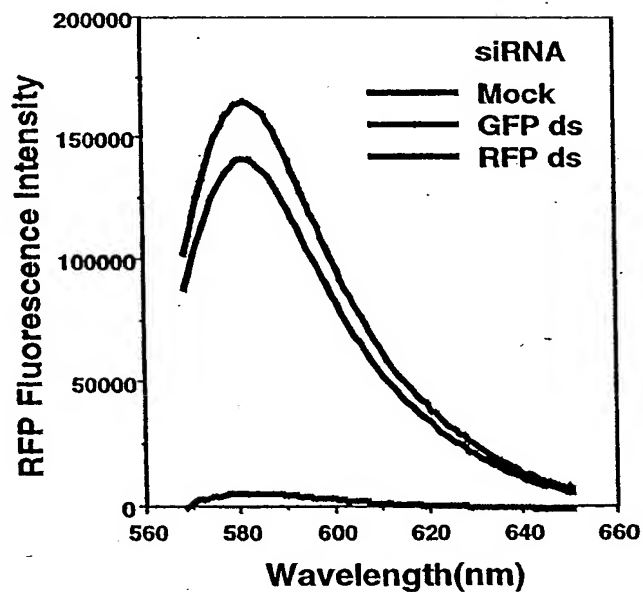
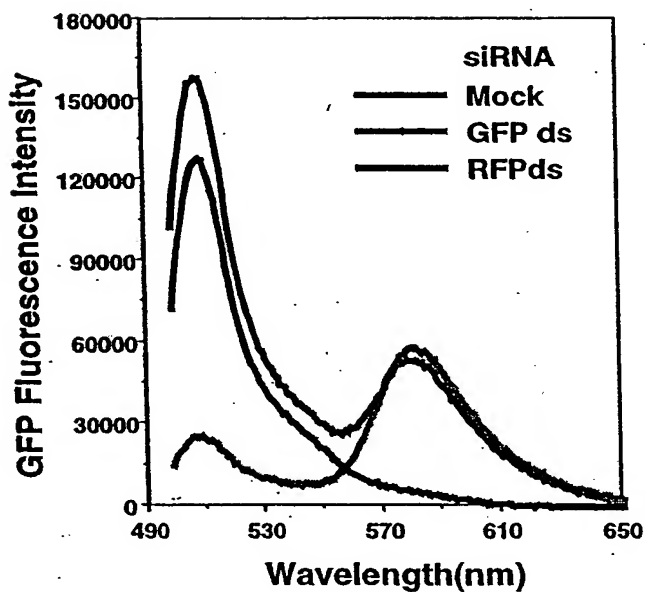


Fig 9

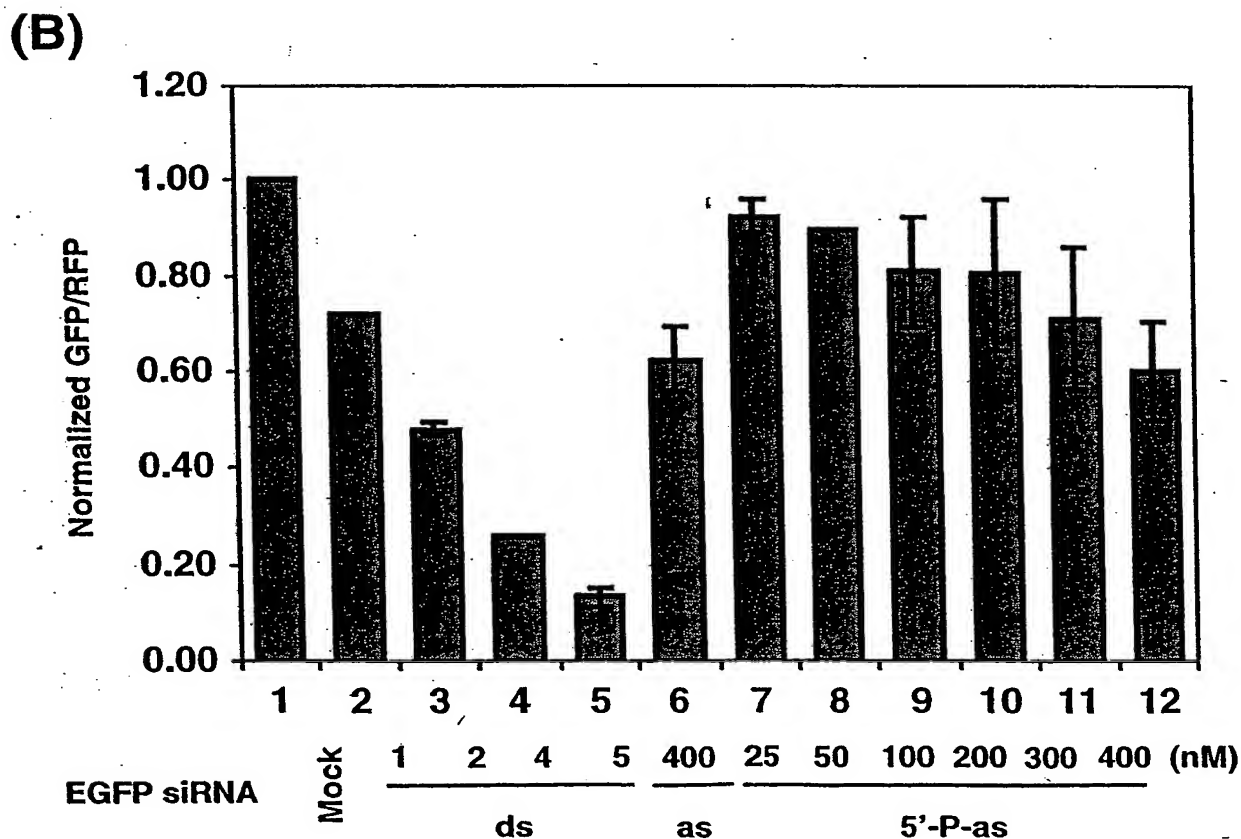
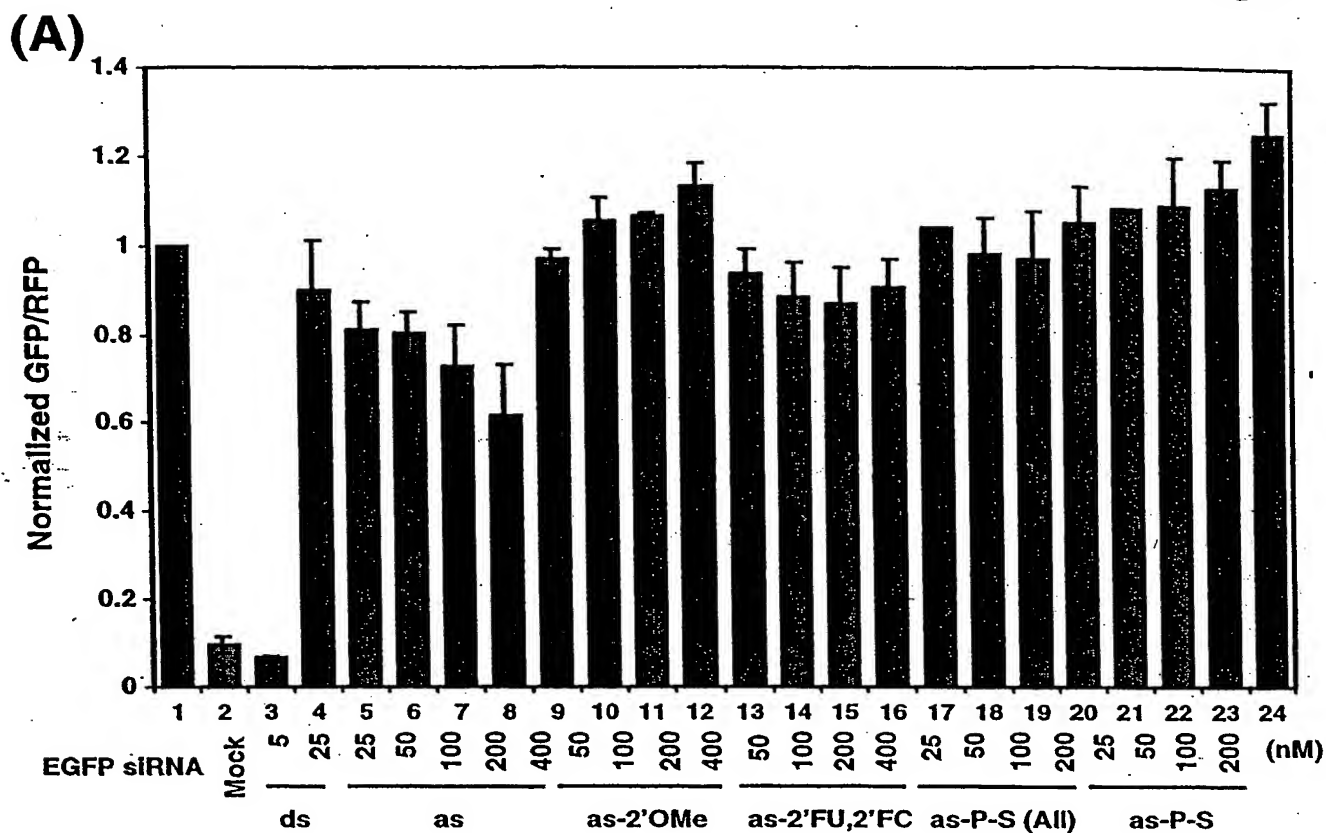


Fig 10

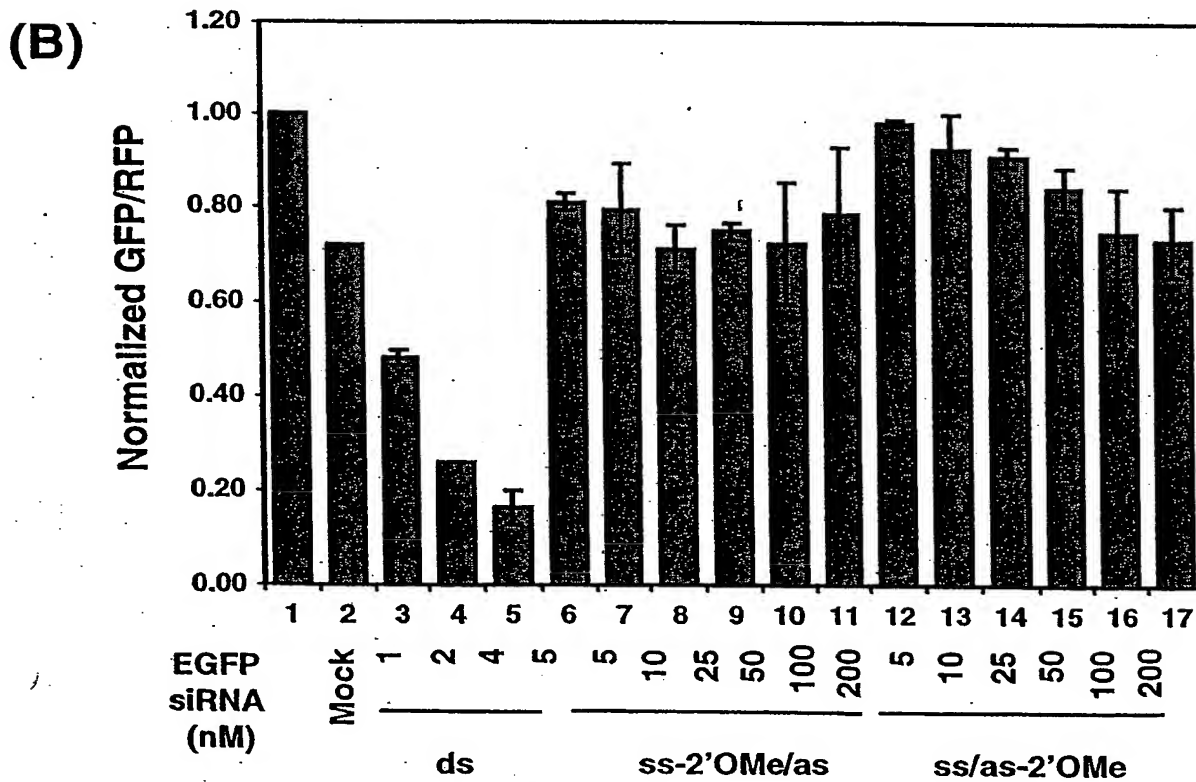
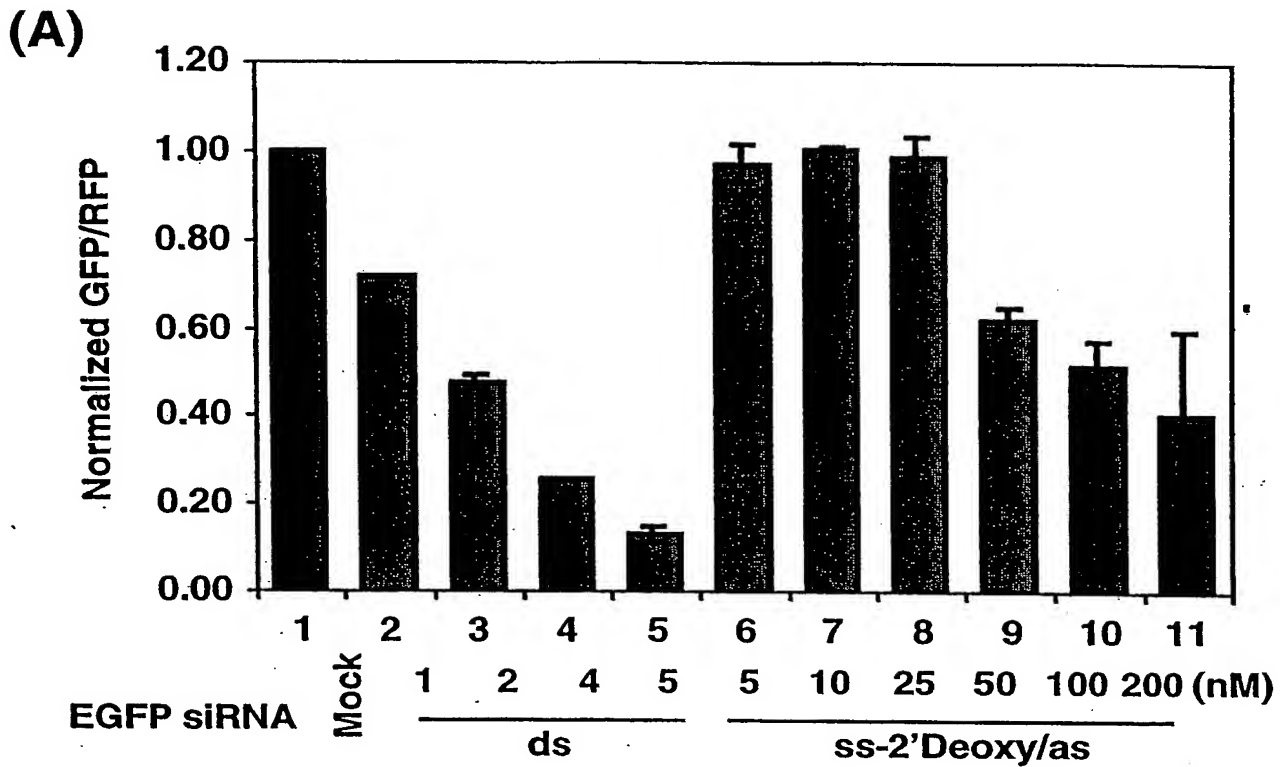


Fig 10

(C)

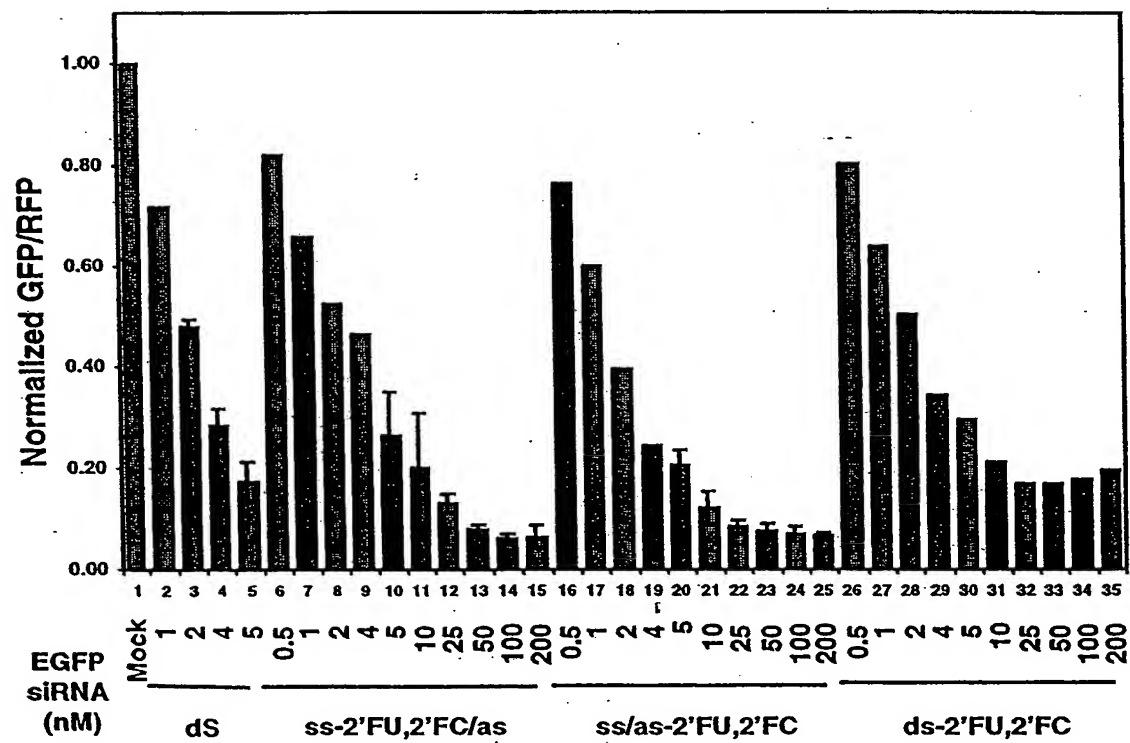


Fig 10

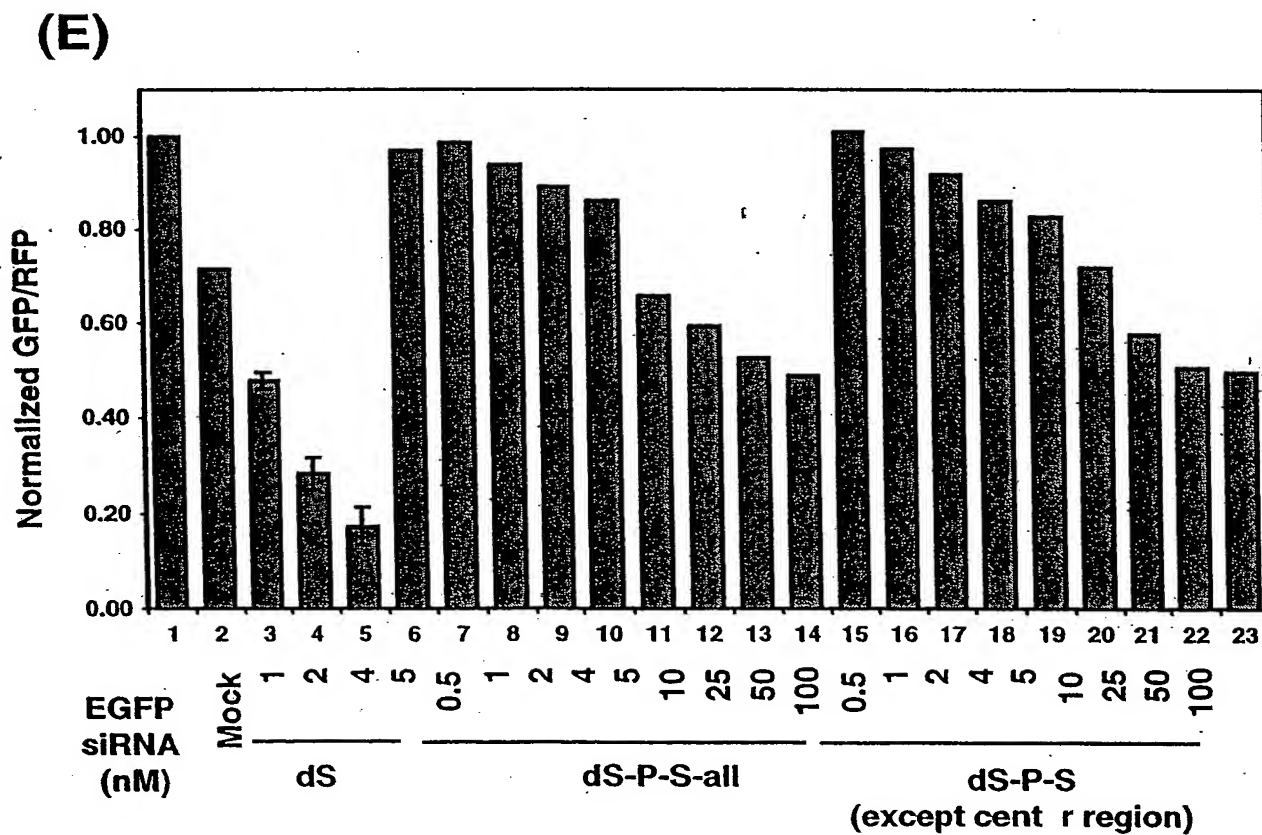
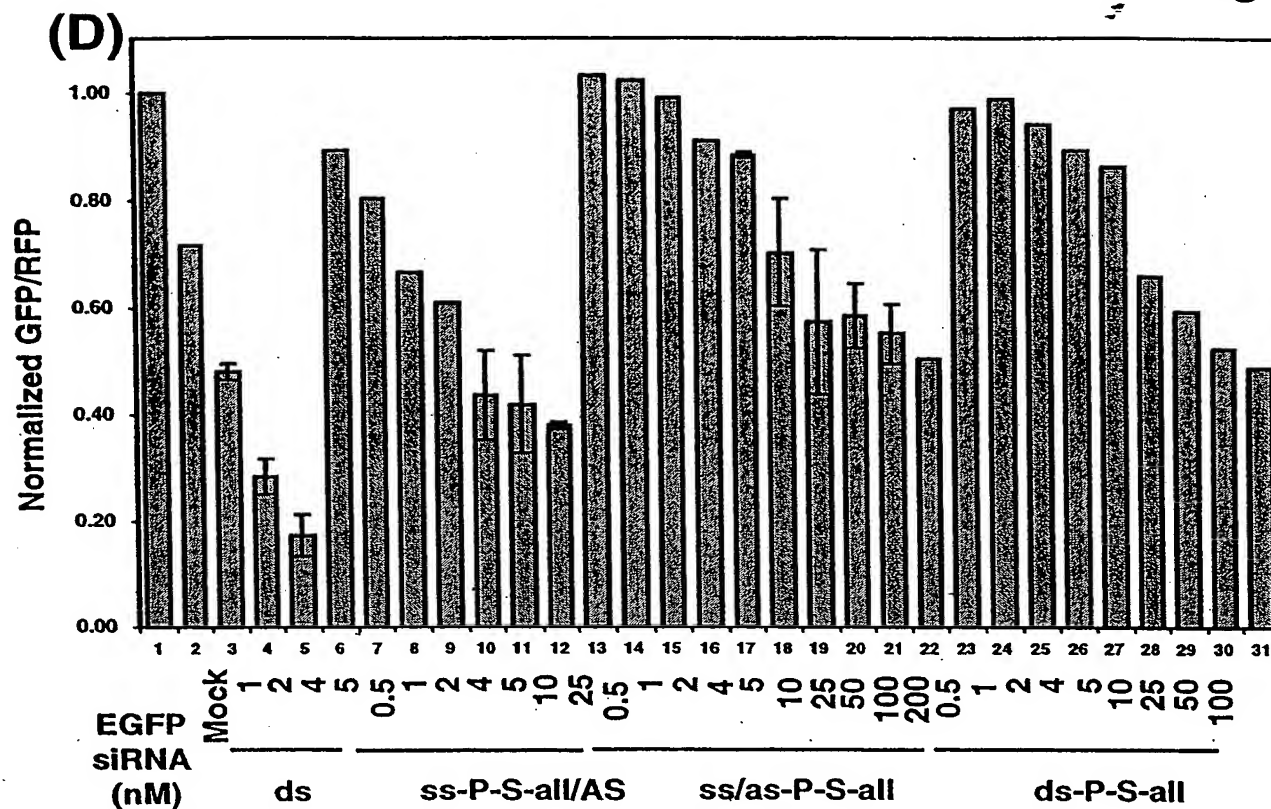
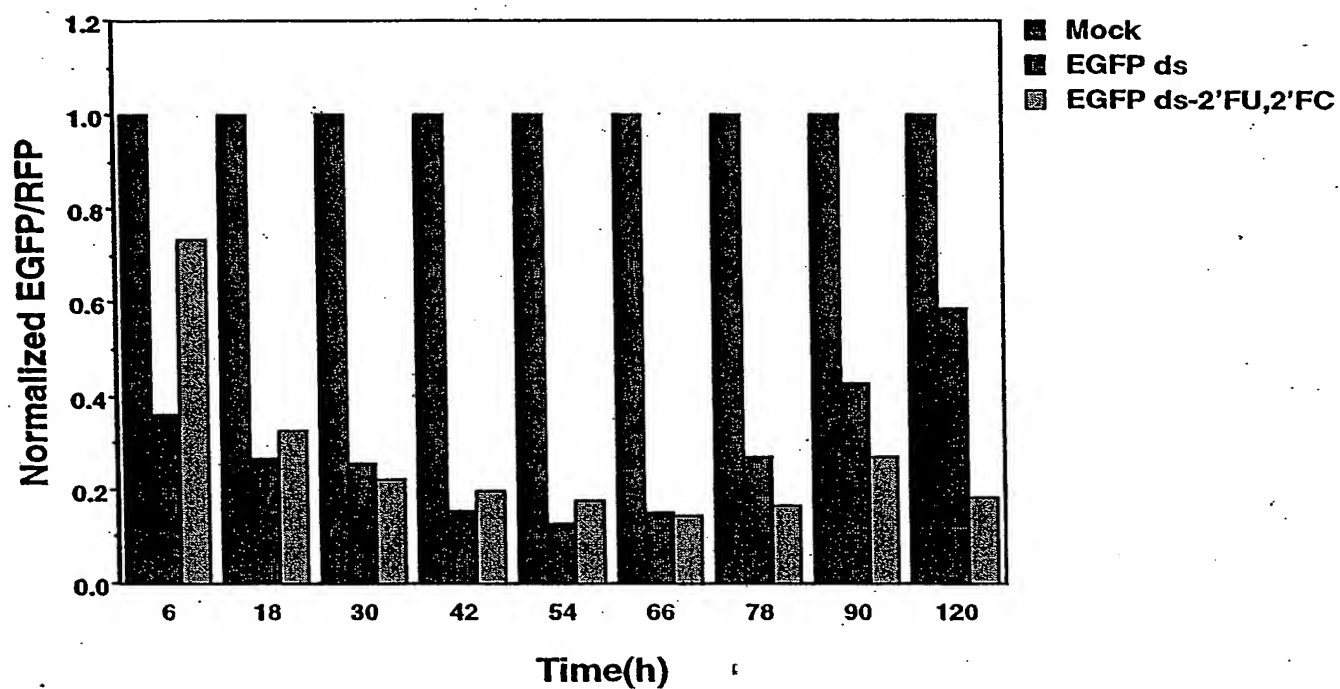


Fig 11



(A)

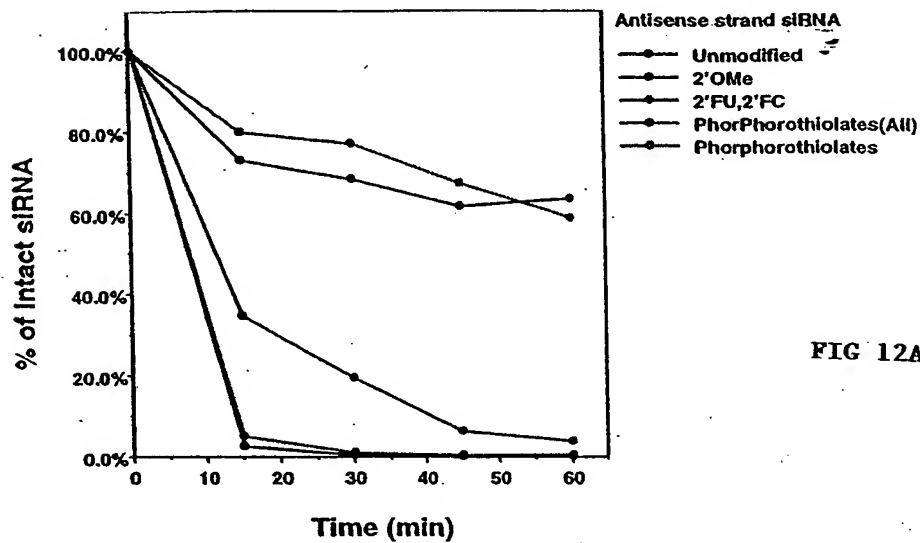
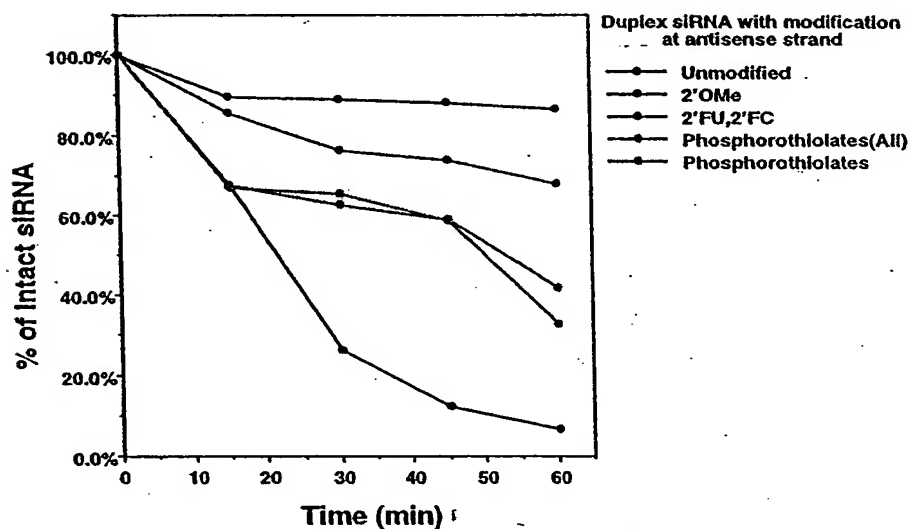


FIG 12A-C

(B)



(C)

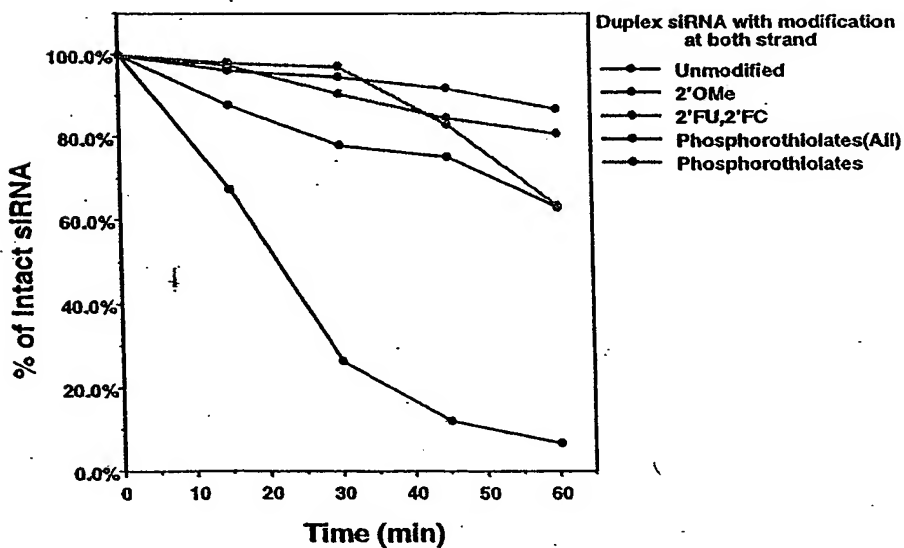
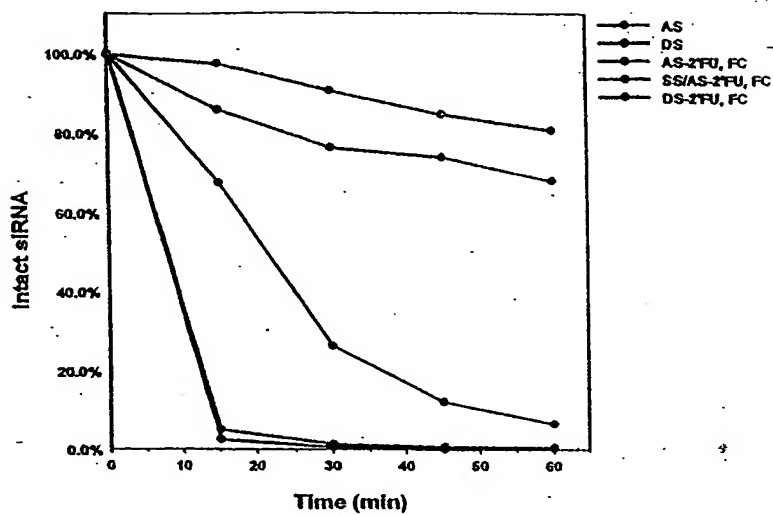


FIG 12D-E

(b)



(E)

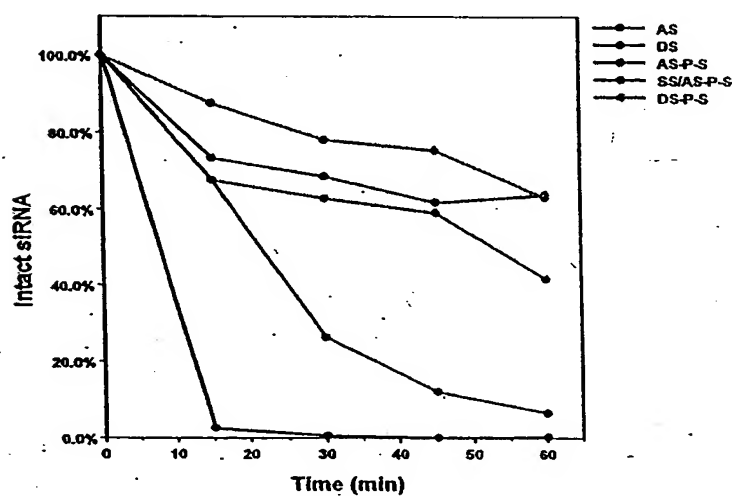
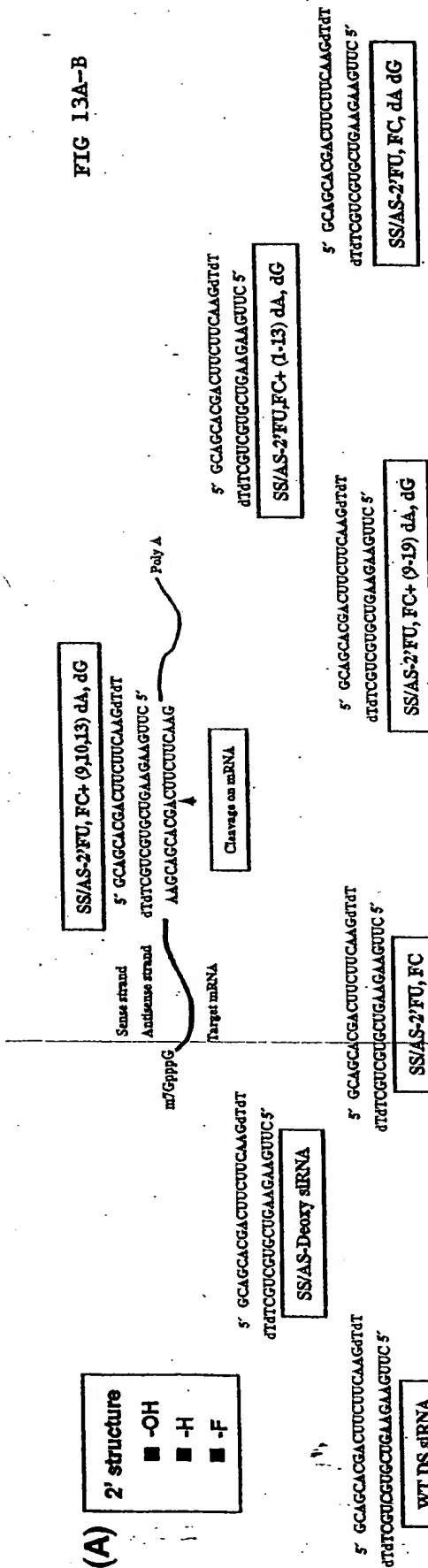
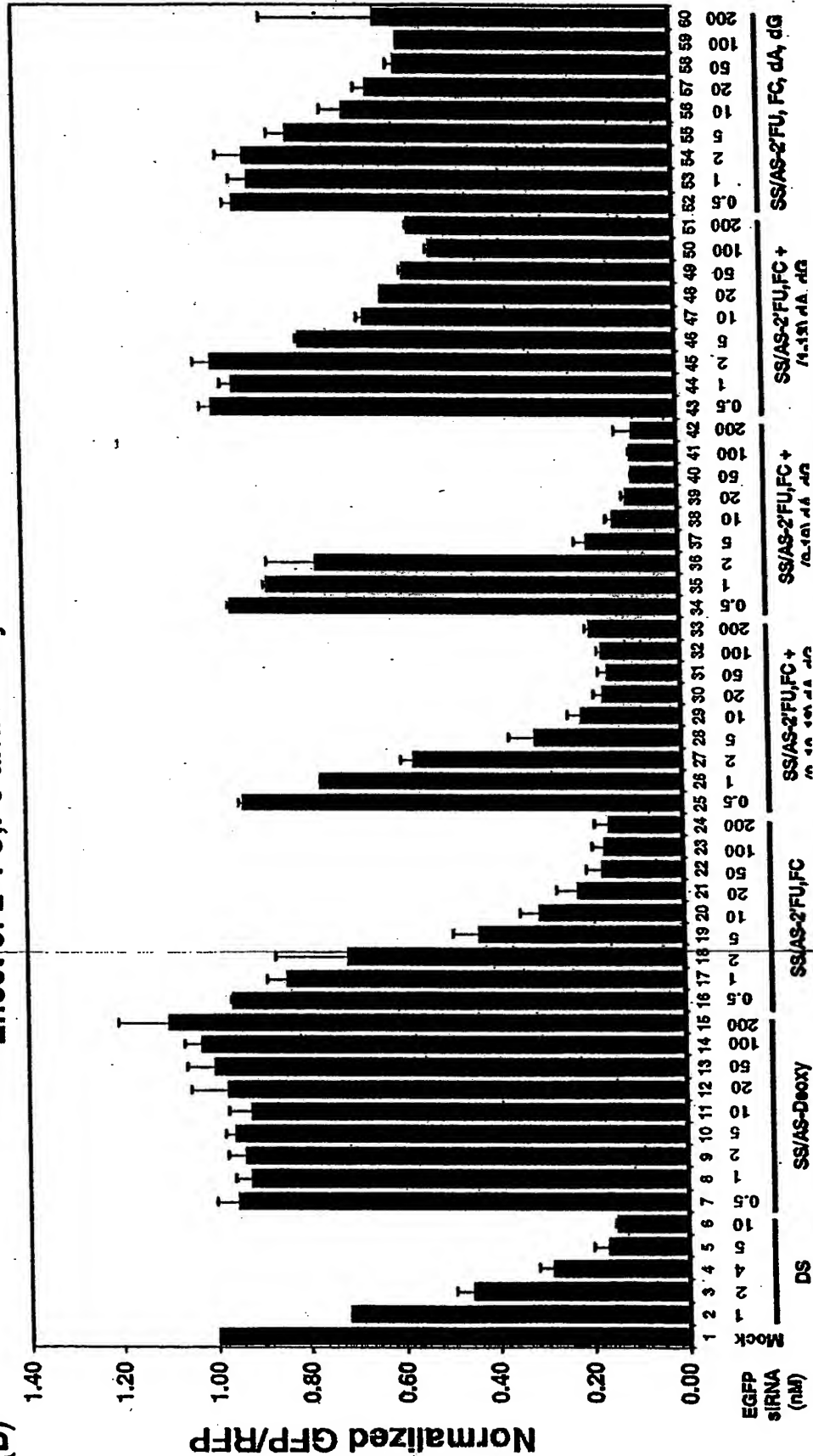
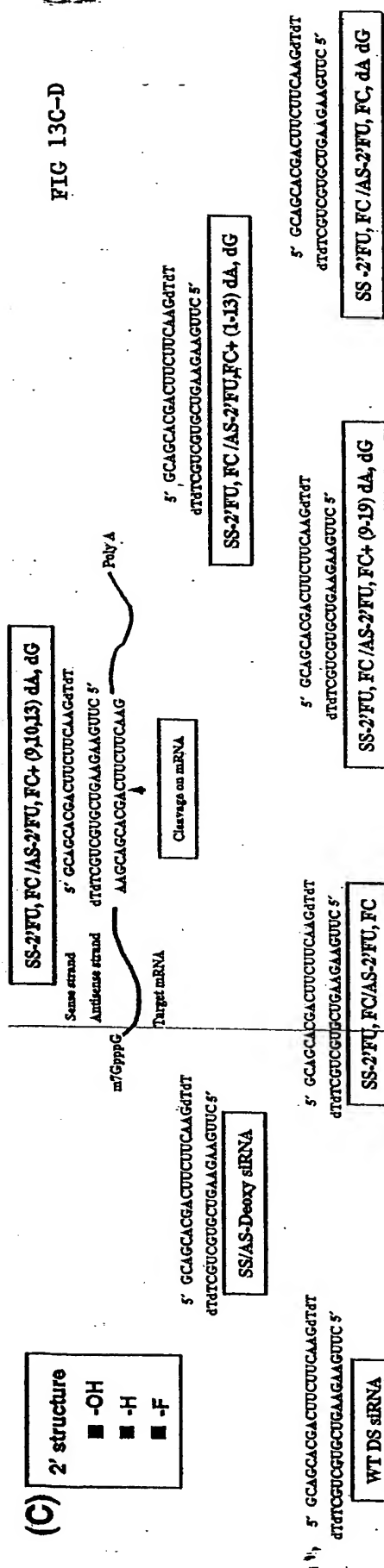


FIG 13A-B

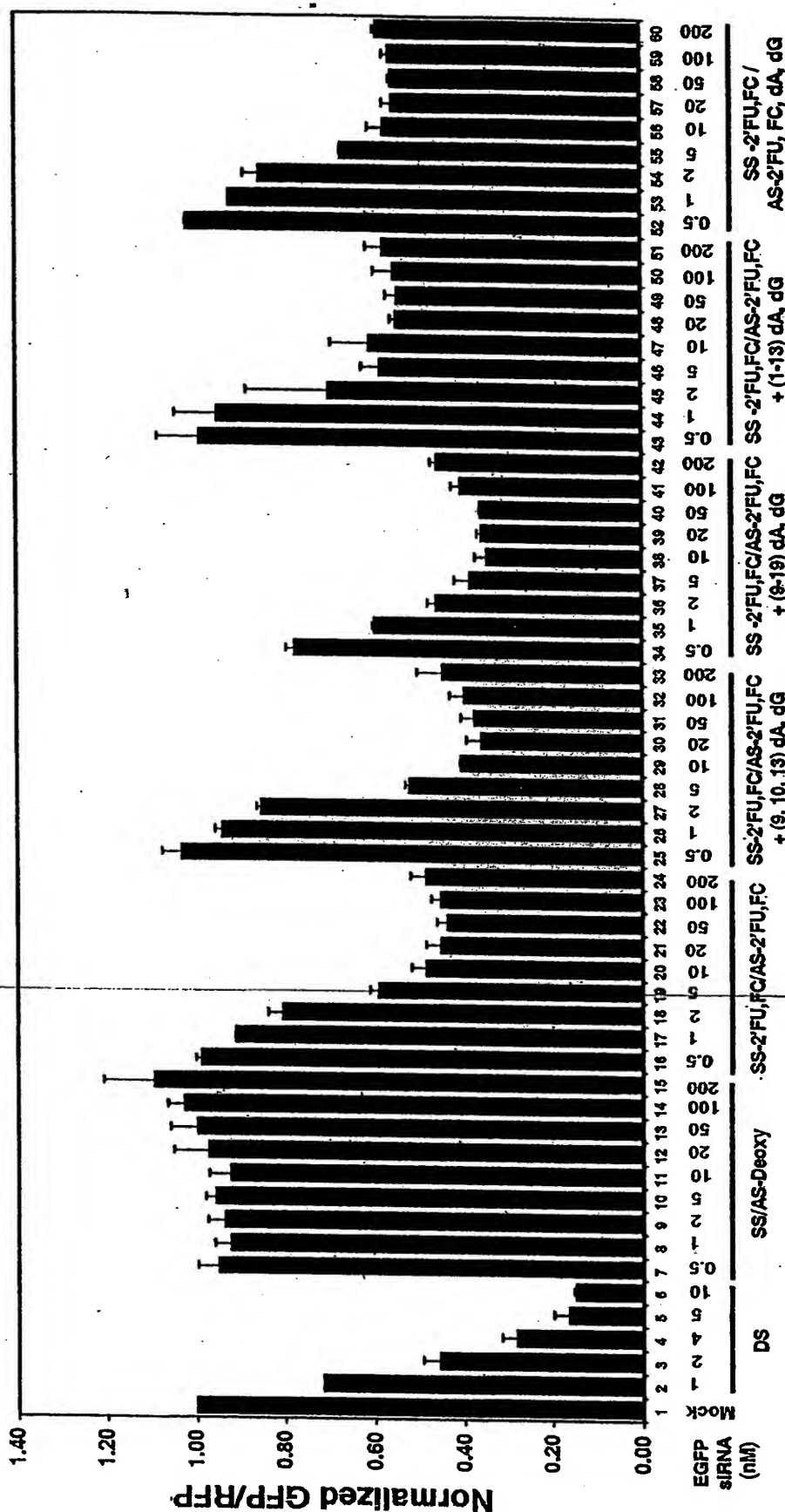


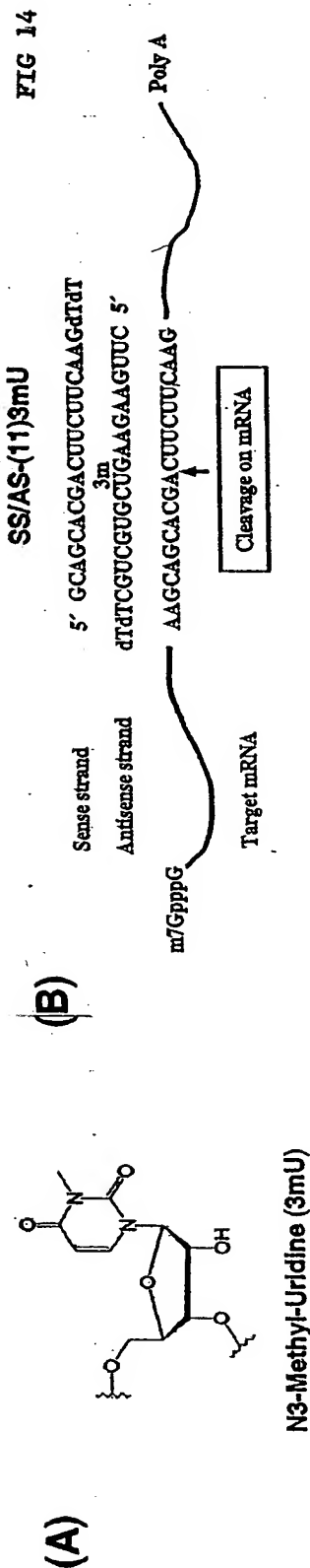
Effect of 2'-FU, FC and Deoxy Modified siRNA



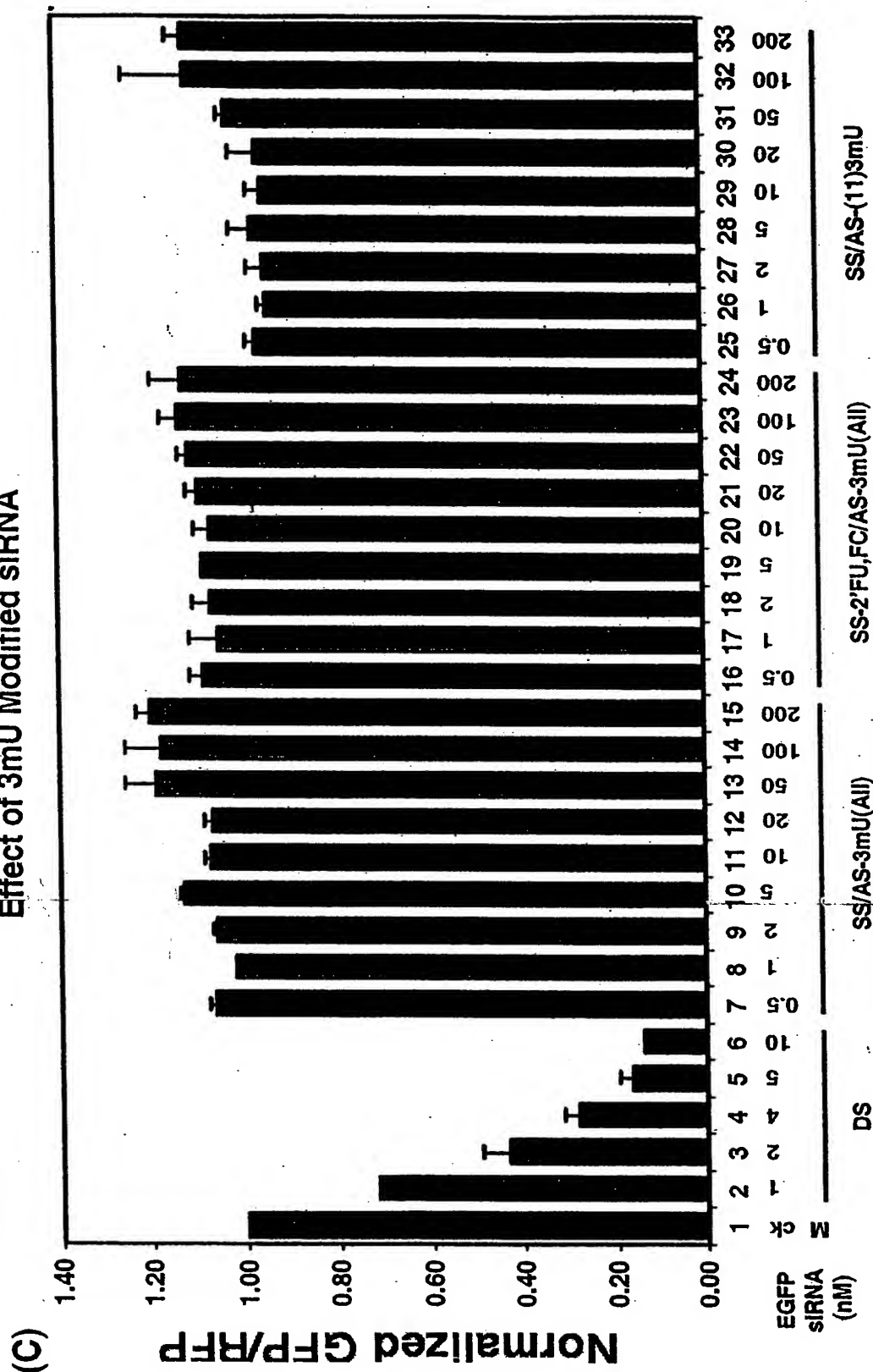


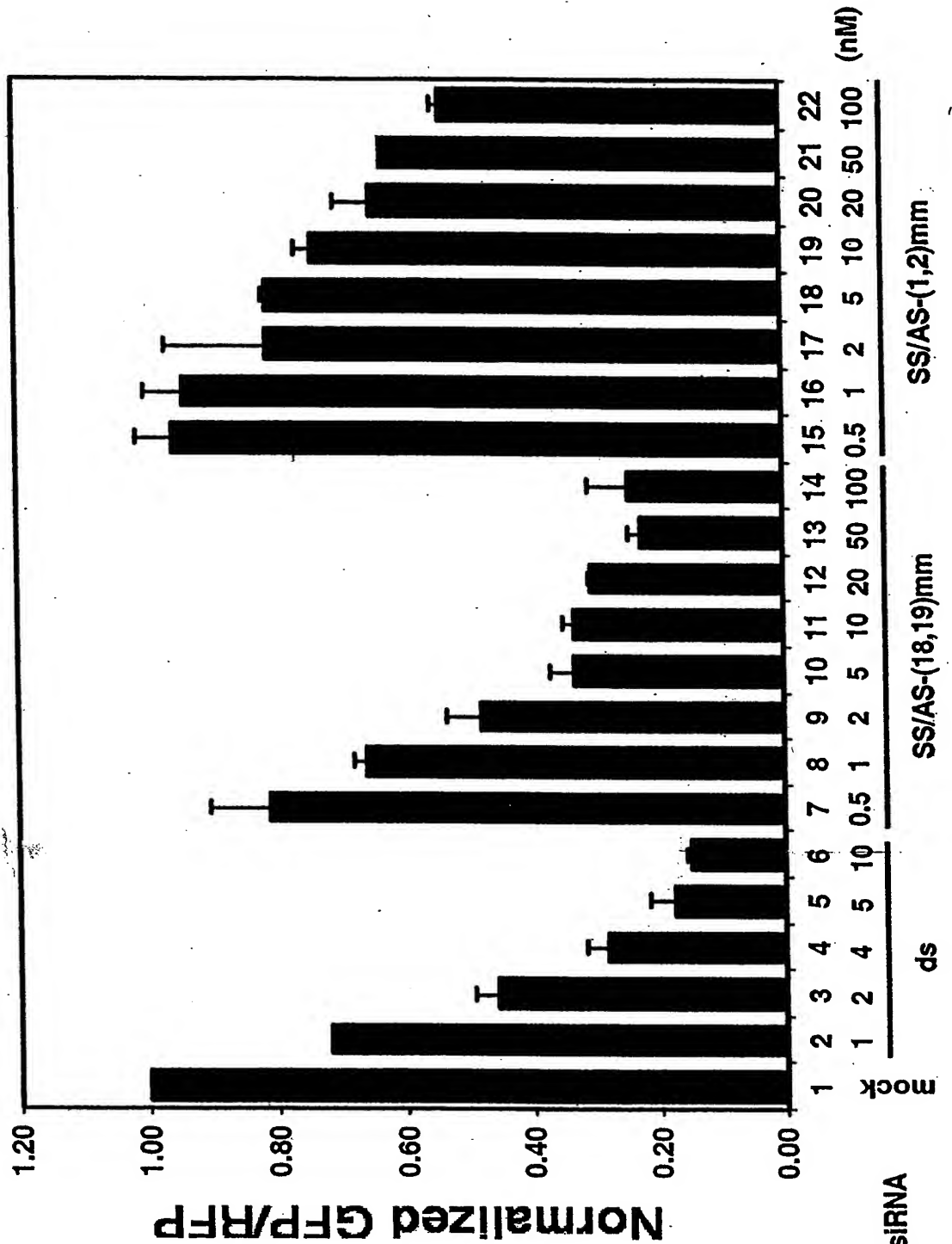
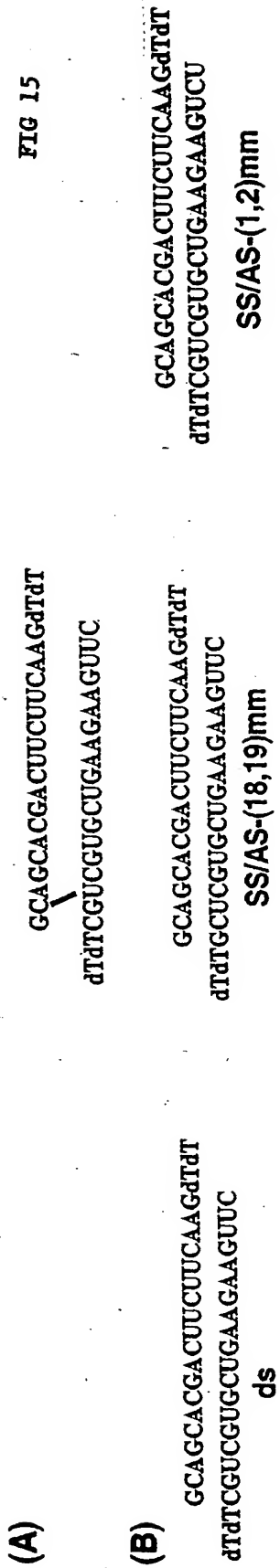
Effect of 2'FU,FC and Deoxy Modified siRNA (continue..)





Effect of 3mU Modified siRNA





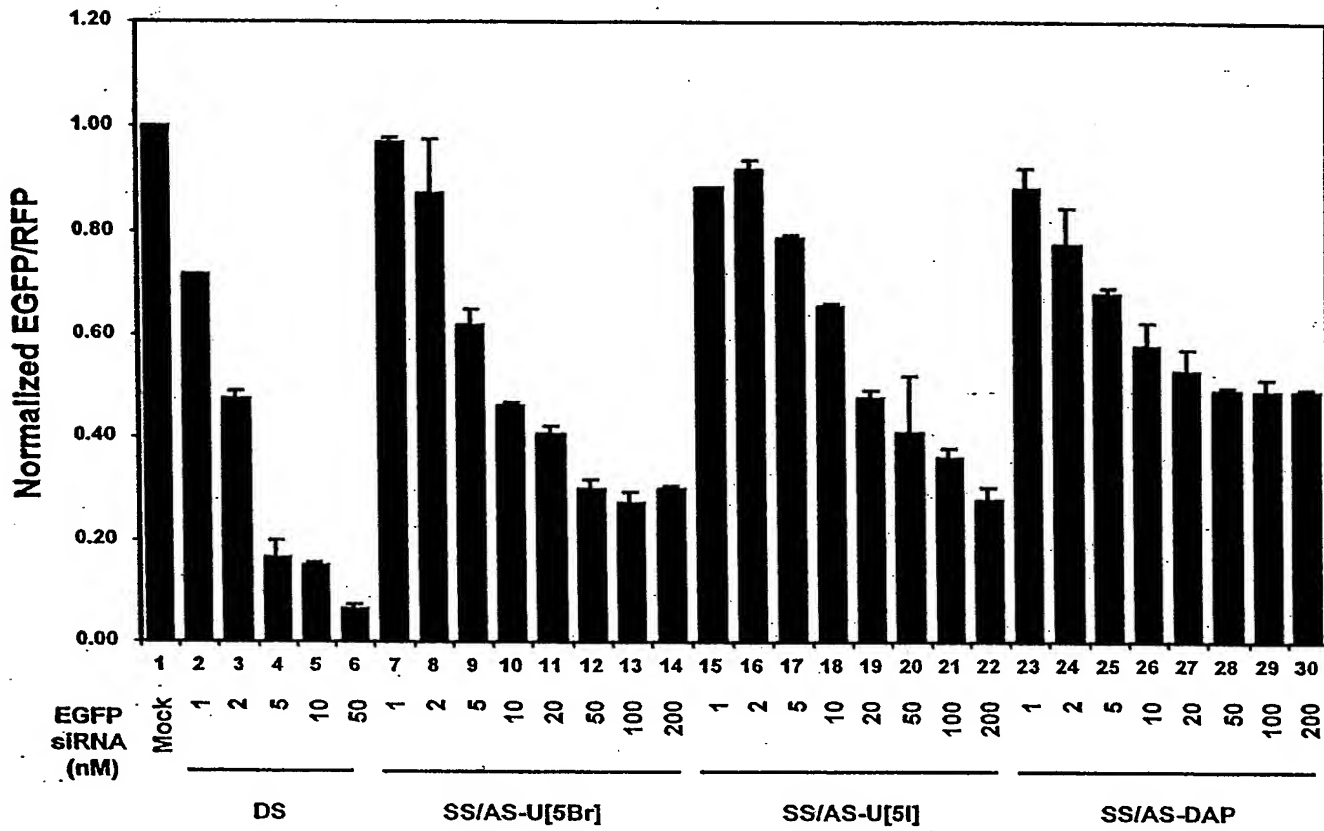


FIG 17

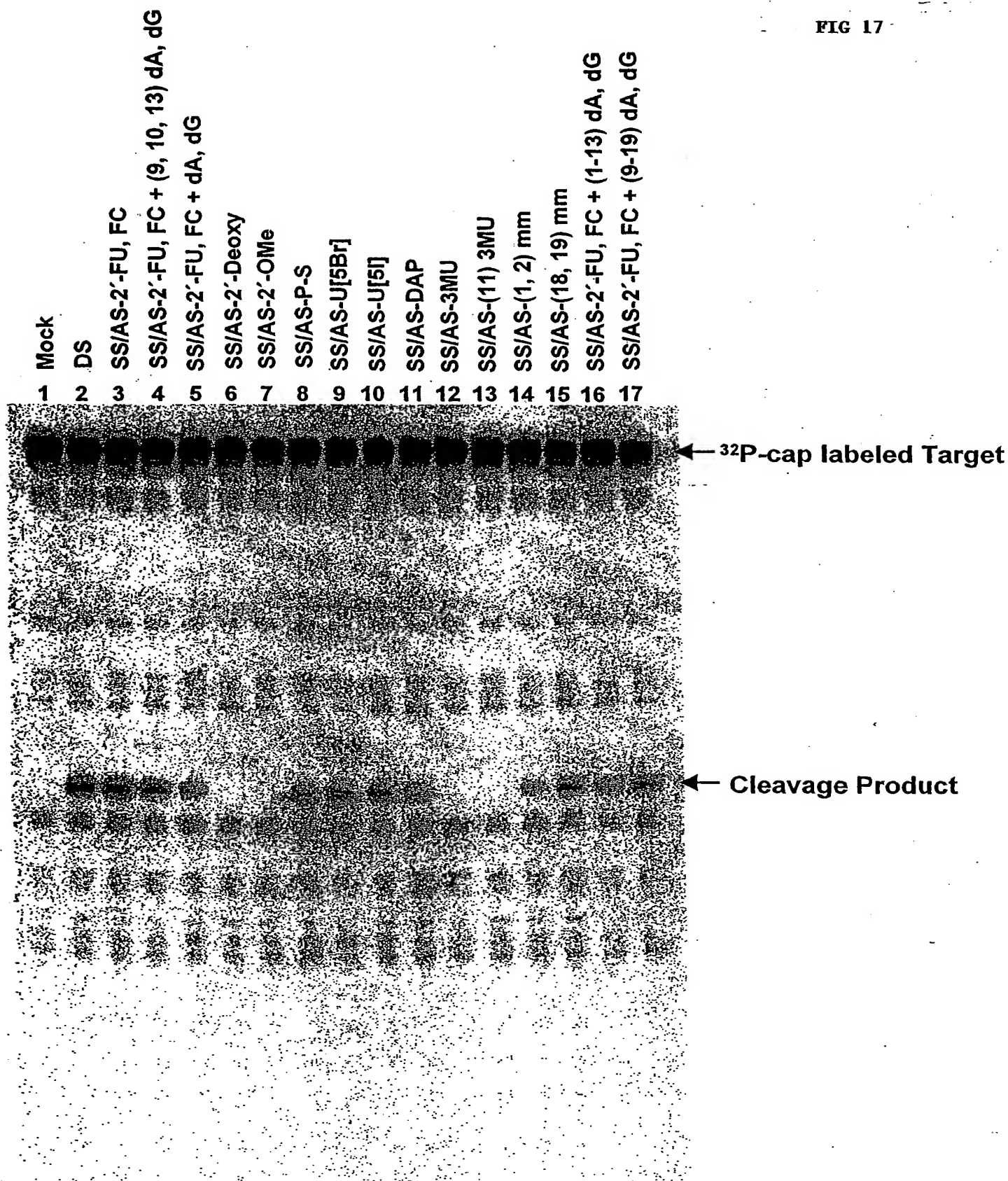
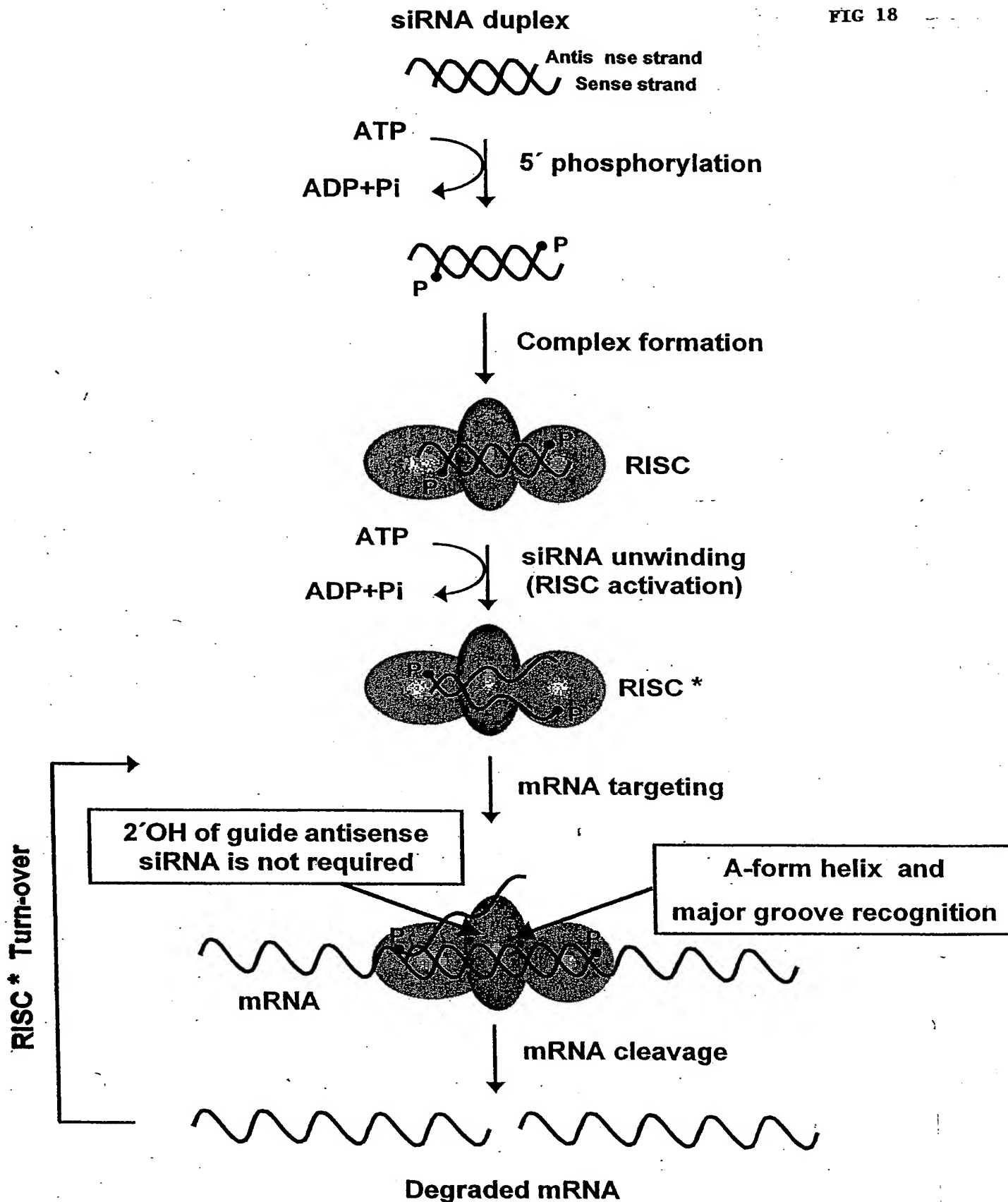
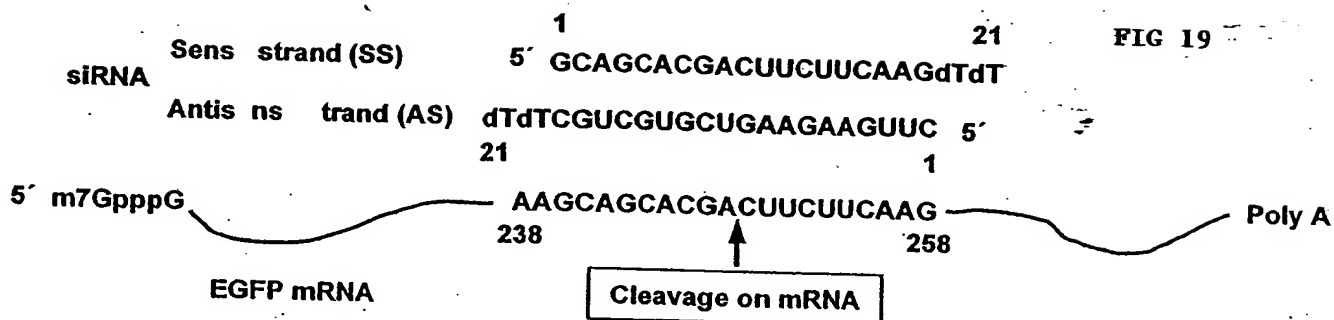
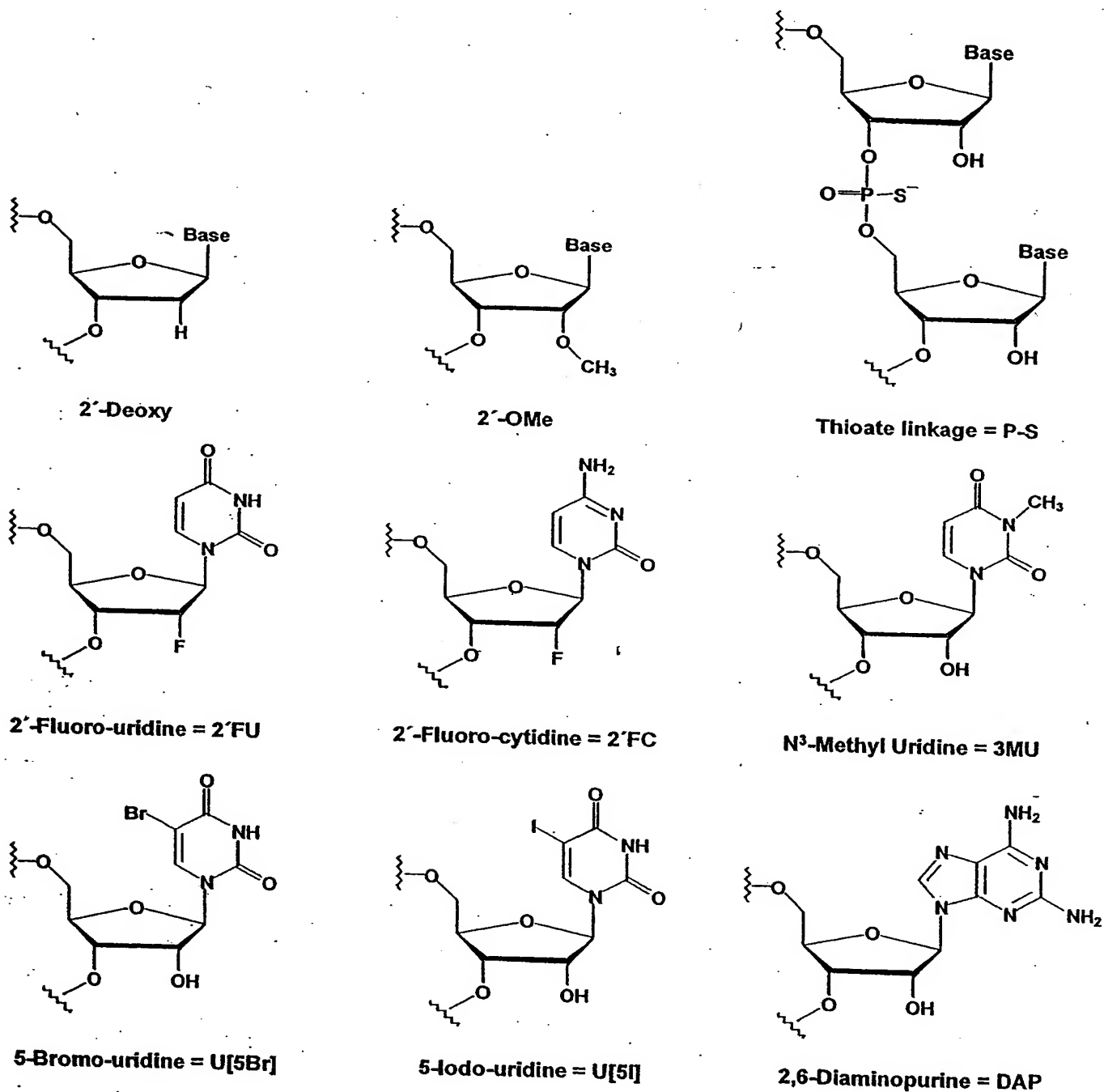
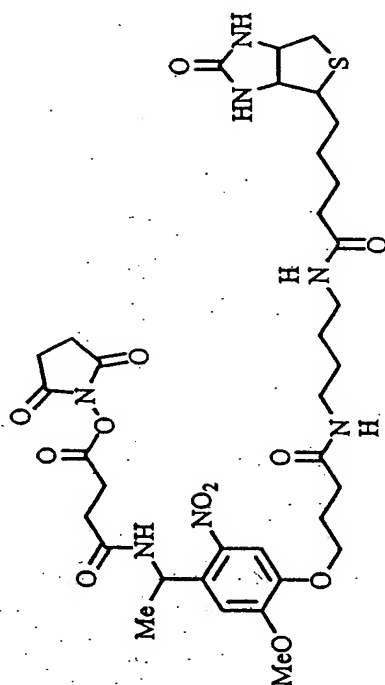


FIG 18



A**B**



Photocleavable Biotin Figure 20